

PATENT ABSTRACTS OF JAPAN

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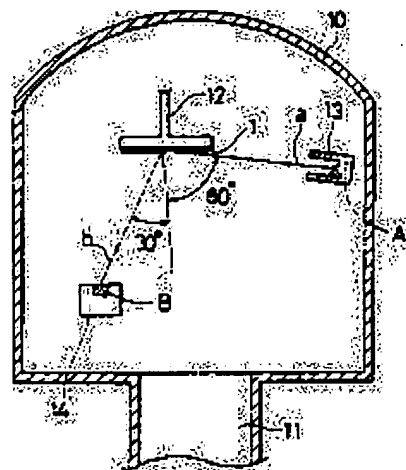
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(54) MANUFACTURE OF MAGNETIC RECORDING MEDIUM

(57)Abstract:

PURPOSE: To improve a reproduced output and sensitivity by making a beam incident on an organic polymer by a specific incident angle and simultaneously making a ferromagnetic material incident at the angle different from said angle so as to form the composite thin film made of the organic polymer and ferromagnetic material on the surface of a substrate.

CONSTITUTION: The heating and evaporating container 13 which is of a pot resistance heating type and which contains an organic polymer A is disposed obliquely downward at one end of the substrate 1 by tilting its central axis so that the incident beam (a) can make an incident angle ϕ_1 of 80° , for instance, with respect to the normal of the surface of the substrate 1. Moreover the heating and evaporating container 14 of an electronic gun heating system, which contains a ferromagnetic material B, is obliquely downward at the other end so that the incident angle ϕ_2 of the incident beam (b) can be 30° with respect to the normal of the substrate surface 1. Then both incident beams (a) and (b) are converted at one point of the substrate surface 1 so as to make them incident simultaneously, and the composite thin film having vertical magnetic anisotropy can be obtained.



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